

## Certificate of declaration For EMEX Power Static inverter system - Cabinets



Manufacturer:  
ABB - EPIP  
ABB Lighting, Emergilite – (Thomas and Betts Ltd)  
Bruntcliffe Lane, Morley, Leeds, West Yorkshire  
United Kingdom  
LS27 9LL

Product: EMEX Power Static Inverter System  
Model No. ELDxxxx.xxx (Full Range)  
Serial Number CB6xxxA1-Z1

The undersigned hereby declares, on behalf of ABB Emergilite (Thomas and Betts Ltd). Of Morley, Leeds that the above-referenced product, to which this declaration relates, is in conformity with the provisions of:

- Directive 2014/35/EU - Low Voltage Directive (LVD)
- Directive 2014/30/EU - Electromagnetic Compatibility (EMC) Directive
- EN 1838:1999 Lighting applications - Emergency lighting
- EN 50171 Central power supply systems
- EN 60529 Degrees of protection provided by enclosures (IP Code) (IEC 60529)
- EN 62034 1) Automatic test system for battery powered emergency escape lighting
- HD 384/HD 60364 series Electrical installations of buildings (IEC 60364 series, modified)
- EN 1838 Lighting applications — Emergency lighting.
- EN 50091-1-1 Uninterruptible power systems (UPS) — Part 1-1: General and safety requirements for UPS used in operator access areas.
- EN 50091-1-2 Uninterruptible power systems (UPS) — Part 1-2: General and safety requirements for UPS used in restricted access locations.
- EN 50272-2 Safety requirements for secondary batteries and battery installations — Part 2: Stationary batteries.
- EN 60051 (series) Direct acting indicating analogue electrical measuring instruments and their accessories.
- EN 60146-1-1 Semiconductor convertors — General requirements and line commutated convertors — Part 1-1: Specifications of basic requirements.
- EN 60417 (series) Graphical symbols for use on equipment..
- EN 60896-1 Stationary lead-acid batteries — General requirements and methods of test Part 1: Vented types.
- EN 60896-2 Stationary lead-acid batteries — General requirements and methods of test Part 2: Valve regulated types.
- EN 60898 Circuit breakers for overcurrent protection for household and similar protection. (IEC 60898, mod.)
- EN 60947-2 Low-voltage switchgear and control gear — Part 2: Circuit-breakers.
- EN 60947-4-1 Low-voltage switchgear and control gear — Part 4-1: Contactors and motor-starters — Electromechanical contactors and motor-starters.
- EN 61032:1998 Protection of persons and equipment by enclosures — Probes for verification.
- EN 61558-2-6 Safety of power transformers, power supply units and similar — Part 2-6: Particular requirements for safety isolating transformers for general use.
- HD 21 (series) Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V.
- HD 472 S1 Nominal voltages for low-voltage public electricity supply systems. (IEC 60238:1983, mod.)

This is a declaration of cabinets supplied to make the housing for the complete machine within the EMEX Power range of products are fully compliant with the requirements outlined within above and Certified under KM542294, Issued by the British Standards Institute.

The cabinet has been designed, engineered and internal tested to allow the housing of the inverter and charger modules, battery or a combination of both. All connections are in the top control section of the cabinet.

The construction and mechanical strength of the cabinets have been tested to accommodate a maximum safe working load of 310Kg Per compartment, all batteries must be installed within the guidelines detailed in the installation instructions supplied with the equipment. Total cubicle load not exceeding 1100KGg maximum.

Yours faithfully



Darren Birch  
ABB – EPIP, GPM  
Central Battery Systems Product Manager

Yours faithfully



Andrew Bromhead  
ABB – EPIP BU  
UK Quality Manager